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Portable, Pneumatic Machining Units

Background. SERCO of Chambéry, France, has developed a family of portable, pneumatic boring and machining units. The SERCO TU 400, TU 600, and TU 1100 units have been in production since 1984. The units have been used extensively in French industry in applications ranging from civilian nuclear power plants to French naval shipyards to oil and petrochemical plants.

Description. The machining units are completely portable and are designed specifically for the on-site, in-place remachining of gasket seats, turning materials, manhole gaskets and various flanges. The three units - TU 400, TU 600, and TU 1100 are completely portable and the digits indicate the maximum diameter, in millimeters, that can be machined.

Each machine set includes a pneumatic motor, machining unit and the necessary tools and attachments.

Characteristics of each unit are shown below:

	TU 400	TU 600	TU 1100
3 adjustable fastening arms	Yes	Yes	No
4 adjustable fastening arms	No	No	Yes
Feeding air pressure	7 bar	7 bar	7 bar
Air flow required	400 l/min	800 l/min	2000 l/min
Unit weight	35 kg	65 kg	90 kg
Manual axial stroke	45 mm	65 mm	65 mm
Automatic radial stroke	40 mm	60 mm	100 mm
Maximum machining diameter with facing tool	400 mm	600 mm	1100 mm
Pneumatic motor	450 w 70 rpm	450 w 80 rpm	1320 w 270 rpm

Status. The machines are in use in French industry and extensive experience in their use has been achieved by the company.

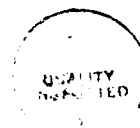
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